

JP 4327214

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Composite fibre for industrial materials, e.g. bag filter scrim ground fabric - comprises three layers of PET component, polyphenylene sulphide in outermost layer and intermediate layer

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Patent Details:

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Abstract (Basic): JP 4327214 A

Composite fibre comprises 3 layers consisting of a PET component having more than 0.5 of limiting viscosity (etg) in the most inner layer, a polyphenylene sulphide (PPS) component in the most outer layer, and the intermediate layer blended with the PET component and the PPS component blended with each other.

Proportion of the most outer layer occupied in whole of the composite fibre is more than 10 wt.%. Proportion of the most inner layer occupied in whole of the composite fibre is more than 20 wt.%. Proportion of the intermediate layer occupied in whole of the fibre is less than 70 wt.%. Strength of the composite fibre is more than 5.5 g/de.

USE/ADVANTAGE - For industrial materials e.g. bag filter scrim ground fabric, motor knot braid, motor binder tape and fibre for reinforcing rubber. The composite fibre has excellent heat resistance, chemical resistance, greatly improved peeling resistance, and esp. excellent fatigue resistance.

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